Amendments to the Claims

1. (Currently amended) A discharge lamp comprising a light-emitting portion formed of quartz glass, a pair of electrodes disposed in said light-emitting portion, sealing portions formed of quartz glass to hermetically seal said electrodes, and a noble gas charged in said light-emitting portion,

wherein ~~the contents~~ a ratio of a maximum intensity of the emission spectrum of hydrogen, oxygen and their compounds ~~existing in the noble gas~~, which are present in the light-emitting portion, to an intensity of a main light-emitting spectrum of the noble gas is, respectively, ~~is such that a maximums of the light-emitting spectral spectra intensities of hydrogen, oxygen and their compounds is~~ 1/1000 or less ~~of an intensity of the main light-emitting spectrum of the noble gas~~ when the noble gas is discharged by supplying a current of 3 mA to said electrodes in said light-emitting portion, and

~~the~~ a content of OH groups included in the quartz glass of said sealing ~~portion~~ portions is 5 ppm or less by weight.

2. (Currently amended) The discharge lamp according to Claim 1, wherein the quartz glass of the sealing ~~portion~~ portions has a residual compressive stress in ~~the~~ a vicinity of ~~the~~ an interface between said quartz glass and said ~~electrode~~ pair of electrodes.

3. (Currently amended) The discharge lamp according to Claim 2, wherein the residual compressive stress is 25 MPa or more and is not more than ~~the~~ a breakage strength of said quartz glass.

4. (Currently amended) The discharge lamp according to Claim 1, wherein the content of OH groups in said quartz glass of said light-emitting portion is 10 ppm or less by weight, and a residual tensile stress in the quartz glass is 48 MPa or less.

5. (Original) The discharge lamp according to Claim 4, wherein said residual tensile stress in the quartz glass of the light-emitting portion is 7 MPa or less.

6. (Original) The discharge lamp according to Claim 4, wherein said residual tensile stress is 3.5 MPa or less.

7. (Original) The discharge lamp according to Claim 4, wherein the content of OH groups in said quartz glass of said light-emitting portion is 5 ppm or less by weight.

8. (Previously presented) The discharge lamp according to claim 1, wherein mercury is sealed together with the noble gas in the light-emitting portion.

9. (Currently amended) The discharge lamp according to claim 1, wherein ~~a~~ the noble gas and a metal halide are sealed in said light-emitting portion.

10-30. (Cancelled)

31. (Currently amended) ~~A~~ The discharge lamp according to claim 1, wherein the noble gas is argon gas.